

## HX-WS-N01-SMG Humidity and Temperature Sensor

### Features

- High-precision sensors with signal outputs such as RS485, analog, Wi-Fi, and 4G
- Calibration and certification of provincial metrology institutions
- Free cloud platform
- Real-time monitoring via computer/mobile APP



**Introduction** This product utilizes a high-brightness digital display to show the current temperature and humidity in real-time. It features a wall-mounted, high-protection shell with a protection level of IP65, providing rain and snow resistance while maintaining good ventilation. It supports multiple types of external probes, adopts a granular sintered probe sheath, and has a direct connection between the probe and the shell, resulting in an elegant and aesthetically pleasing appearance. With RS485 signal output, it can communicate up to 2000 meters away, adheres to the standard ModBus-RTU protocol, and supports secondary development.

### Specifications

DC power supply (default)	DC 10-30V	
Maximum power consumption	0.4W	
A Precision	Humidity	±2%RH(60%RH,25°C)
	Temperature	±0.4°C (25°C)
B Precision (Default)	Humidity	±3%RH(60%RH,25°C)
	Temperature	±0.5°C (25°C)
Temperature and humidity resistance of transmitter components	-40°C~+80°C, 0%RH~95%RH (non condensing)	
Probe working temperature	-40°C~+120°C, default -40°C~+80°C	
Probe working humidity	0%RH-100%RH	
Temperature display resolution	0.1°C	
Humidity display resolution	0.1%RH	
Temperature and humidity refresh time	1s	
Long term stability humidity	Humidity	≤1%RH/y
	Temperature	≤0.1°C/y
Response time	Temperature	≤25s (1m/swindspeed)
	Humidity	≤8s (1m/swindspeed)
Output signal	RS485(ModBus protocol)	
Installation method	Wall mounted	



Probe Options

